ABSTRACT

[0049] The present invention provides a method that protects symbol types by characterizing symbols as one of two types – DATA or NON_DATA, generating a symbol characterization bit, placing the symbol characterization bit at both ends of the symbol, and transmitting the symbol with the symbol characterization bits at both ends. Thus, a single byte error may affect a type bit in two consecutive symbols, and will affect one or the other of the type bits in a single symbol, but cannot affect both type bits in a single symbol.